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(54) **Physical identification data addressing method using wobble signal, wobble address encoding circuit, method and circuit for detecting wobble address, and recording medium**

(57) A physical identification data (PID) addressing method using a wobble signal, a wobble address encoding circuit, a method and circuit for detecting the wobble address and a recording medium are provided. Groove tracks are classified into odd groove tracks and even groove tracks. Address information indicating physical identification information is phase modulated using wobble signals having a predetermined phase difference between two adjacent groove tracks, and recorded in each groove track so that address information modulated using the wobble signals having the phase difference of 90° between adjacent two groove tracks can be a quadrature phase shift keying (QPSK) signal. Accordingly, a larger amount of data can be recorded in the recording medium, and since an interval in which a wobble signal disappears is not caused, recovery of a wobble clock signal can be advantageously performed.

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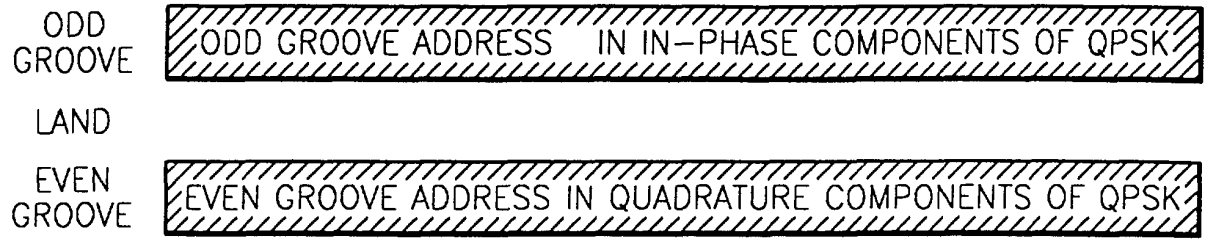
FIG. 4


ODD GROOVE
ODD GROOVE ADDRESS IN IN-PHASE COMPONENTS OF QPSK
LAND
EVEN GROOVE
EVEN GROOVE ADDRESS IN QUADRATURE COMPONENTS OF QPSK

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EUROPEAN SEARCH REPORT

Application Number
EP 00 11 9402

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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
The Hague	5 November 2007	Bruma, Cezar

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